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ERICSSON INC. 6300 LEGACY DRIVE M/S EVR 1-C-11 PLANO, TX 75024			EXAMINER RAHMAN, MOHAMMAD N	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/599,762	Applicant(s) LAGUNA-MACIAS ET AL.	
	Examiner MOHAMMAD N. RAHMAN	Art Unit 2161	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 December 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-32 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 October 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Detailed Action

1. This communication is responsive to the request for continued examination (RCE) filed on 12/08/2008. **Claims 16 and 24** are amended. **Claims 1-32** are pending and presented for examination.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 12/08/2008 has been entered.

Claim Rejections - 35 USC § 101

3. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims to computer-related inventions that are clearly nonstatutory fall into the same general categories as nonstatutory claims in other arts, namely natural phenomena such as magnetism, and abstract ideas or laws of nature which constitute "descriptive material." Abstract ideas, Warmerdam, 33 F.3d at 1360, 31 USPQ2d at 1759, or the mere manipulation of abstract ideas, Schrader, 22 F.3d at 292-93, 30 USPQ2d at 1457-58, are not patentable. Descriptive material can be characterized as either "functional descriptive material" or "nonfunctional descriptive material." In this context, "functional descriptive material" consists of data structures and computer programs which impart functionality when employed as a computer component. (The definition of "data structure" is "a physical or logical relationship among data elements, designed to support specific data manipulation functions." The New IEEE Standard Dictionary of Electrical and Electronics Terms 308 (5th ed. 1993).) "Nonfunctional descriptive material" includes but is not limited to music, literary works and a compilation or mere arrangement of data (See MPEP section 2106, IV, B, 1)

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4. **Claims 16-32** are rejected under 35 USC 101 because the claimed invention is directed to non-statutory subject matter.

The claims lack the necessary physical articles or objects to constitute a machine or a manufacture within the meaning of 35 USC 101. They are clearly not a series of steps or acts to be a process nor are they a combination of chemical compounds to be a composition of matter. As such, they fail to fall within a statutory category. They are, at best, functional descriptive material *per se*.

Descriptive material can be characterized as either “functional descriptive material” or “nonfunctional descriptive material.” Both types of “descriptive material” are nonstatutory when claimed as descriptive material *per se*, 33 F.3d at 1360, 31 USPQ2d at 1759. When functional descriptive material is recorded on some computer-readable medium, it becomes structurally and functionally interrelated to the medium and will be statutory in most cases since use of technology permits the function of the descriptive material to be realized. Compare *In re Lowry*, 32 F.3d 1579, 1583-84, 32 USPQ2d 1031, 1035 (Fed. Cir. 1994)

Merely claiming nonfunctional descriptive material, i.e., abstract ideas, stored on a computer-readable medium, in a computer, or on an electromagnetic carrier signal, does not make it statutory. See *Diehr*, 450 U.S. at 185-86, 209 USPQ at 8 (noting that the claims for an algorithm in *Benson* were unpatentable as abstract ideas because

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“[t]he sole practical application of the algorithm was in connection with the programming of a general purpose computer.”)

Claim Rejection – 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. **Claims 1- 6, 9-12, 14, 16-22, 24-27 and 30-32** are rejected under 35 U.S.C. 102

(b) as being anticipated by Blakley, III et al. (U.S. Publication No. 2004/0128378), herein referred to as Blakley.

As to claim 1, Blakley teaches, “a method of handling user's attributes sharing between a plurality of Service Providers, a Service Provider being regarded as an Attribute Provider hosting at least one user's attribute for a user and offering such attribute for sharing with other Service Providers regarded as Attribute Requestors, an attribute offering being published in a Discovery Service Framework suitable for holding attribute offerings from at least one Attribute Provider and for providing any of such attribute offerings to at least one Attribute Requestor, the method comprising the steps of” (see at abstract, Paragraph [0087]) :

- “the Attribute Provider registering an offering registration trigger in the Discovery Service Framework intended to request, if needed, the registration of the attribute offering” at paragraphs [0047],[0068], [0077], [0080] and [0086];

(Blakley teaches, "the authentication is successful, an active session is established for the authenticated user or client" at Paragraph [0047] and "framework for exchanging security information" at paragraph[0068] and "framework for exchanging security information" at paragraph [0068] and "the user (40) might have accessed another service provider(30) and, after having been authenticated in this another service provider, the user may invoke a service that, for its complete execution, needs a user's attribute that is hosted in an external Attribute provider (20). The another service provider (30) where the user has presently accessed, playing the role of an Attribute Requestor, requests (S-102) the location of the user's attribute to the DSF (10)" at paragraph [0077], thus in here, the Attribute Provider registration is equivalent to authentication of data which triggers the process for the requested attributes.)

- "the Attribute Provider receiving from the Discovery Service Framework a request for registration of the attribute offering" at paragraphs [0069], [0090], [0093] and [0099];

(Blakley teaches, "an attribute information provider may optionally present an interface for a user to create attribute release policies when a user registers for the

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attribute information service or when a user updates the user's attribute information" at paragraph [0090], "requested e-commerce service provider may optionally determine to use more than one attribute information provider whereby the e-commerce service provider requests a subset of user attributes from each of the multiple attribute information providers" at paragraph [0099], which clearly interprets that the attribute provider receiving a request for registration of the corresponding attributes.)

- **"the Attribute Provider registering an attribute offering in the Discovery Service Framework" at Paragraphs [0089] and [0092];**

(Blakley teaches, "the user has registered with multiple attribute information providers, then one of those attribute information providers would be considered to be the user's attribute home domain" at Paragraph [0092], thus the attribute Provider registering an attribute to the service provider.)

- **and "the Attribute Provider providing the attribute upon request from an Attribute Requestor" at Paragraph [0021], [0035], [0090] and [0099].**

(Blakley teaches, "an attribute retrieval request message for the indicated attribute information provider",

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at Paragraph [0099], thus the attribute Provider generating an attribute request from an Attribute Requestor.)

As to claim 2, Blakley teaches, the method of claim 1 wherein “the offering registration trigger is the same for all those users for which the Attribute Provider hosts users' attributes” at paragraphs [0046], [0047], [0048] and [0075].

As to claim 3, Blakley teaches, the method of claim 1 wherein “the offering registration trigger is different for each user having a user's attribute hosted in the Attribute Provider” at paragraphs [0034], [0034], [0046], [0048], [0051] and [0049].

.

As to claim 4, Blakley teaches, the method of claim 1 wherein “the step of registering an offering registration trigger in the Discovery Service Framework also includes a step of registering policies intended to govern the lifetime of the offering registration trigger” see at abstract, Paragraph [0020], [0053] and [0170].

As to claim 5, Blakley teaches, the method of claim 1 wherein “the step of registering an attribute offering in the Discovery Service Framework also includes a step of registering policies intended to govern the lifetime of the attribute offering” at paragraphs [0060], [0047], [0090], [0094], [0097] and [0102] .

As to claim 6, Blakley teaches, the method of claim 1 further comprising “a step of obtaining a user's consent to share a user's attribute” at paragraphs [0058], [0103], [0174], [0107], [0157] and [0153].

As to claim 9, Blakley teaches, “a method of publishing through a Discovery Service Framework an attribute offering for sharing a user's attribute between a plurality of Service Providers, a Service Provider being regarded as an Attribute Provider hosting the user's attribute for which the attribute offering may be published, the Discovery Service Framework suitable for holding attribute offerings from at least one Attribute Provider” (see at “abstract” and paragraphs [0061], and [0087]) , the method comprising the steps of:

- “registering an offering registration trigger in the Discovery Service Framework upon request from the Attribute Provider” at paragraphs [0068] ,[0086], [0047], [0074], [0076], [0099] and [0075];

(Blakley teaches, “a user is registered may be considered to be the user's home domain within the federated computing environment” at Paragraph [0076], and “the ability to generate and validate authentication credentials for a user” at Paragraph [0076], and “generates an attribute retrieval request message for the indicated attribute information provider” at paragraph [0099], and “the authentication is successful, an active session is established for the authenticated user or client.” at

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paragraph [0047], and "framework for exchanging security information" at Paragraph [0068], thus, the request from the attribute provider triggers the registration procedure.)

- "the Discovery Service Framework processing the offering registration trigger upon request for an attribute offering received from an Attribute Requestor" at paragraphs [0068], [0069], [0086], [0047],[0074], [0076], [0099], [0110] and [0140].

(Blakley teaches, "the e-commerce service provider has received and examined an attribute retrieval request message from an attribute information provider" at paragraph [0110], "submitted registration information" at paragraph [0047], since, the service provider being processing the registration procedure upon receiving the attribute request".)

- "requesting the registration of the attribute offering to the Attribute Provider as a result of processing the offering registration trigger" at Paragraphs [0080], and [0089] ;

(Blakley teaches, "establishment of a trust relationship between a user and a service provider may be equivalent to a registration process" at paragraph [0080],

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"the user registers or subscribes with an attribute information provider that stores, maintains, and releases the user's attribute information" at paragraph [0089], thus the result of the registration procedure is produce by the attribute provider.)

- "registering in the Discovery Service Framework an attribute offering upon request from an Attribute Provider" at paragraphs [0068] ,[0086], [0047],[0074], [0076], [0099] and [0075];

(Blakley teaches, "a user is registered may be considered to be the user's home domain within the federated computing environment" at paragraph [0076], "the ability to generate and validate authentication credentials for a user" at Paragraph [0076], "generates an attribute retrieval request message for the indicated attribute information provider" at paragraph [0099], the authentication is successful, an active session is established for the authenticated user or client." At paragraph [0047], framework for exchanging security information" at paragraph [0068], thus, to registering an attributes, a request is being made by the service provider.)

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- “the Discovery Service Framework providing the attribute offering upon request from a Service Provider acting as an Attribute Requestor for the attribute offering” at paragraphs [0021] and [0034].

(Blakley teaches, “an attribute information provider generates a response message to be sent to an e-commerce service provider that has requested the retrieval of attributes for a particular user” at Paragraph [0034], thus the request for the attribute registration is made by a service provider.)

As to claim 10, Blakley teaches, the method of claim 9 wherein “the step of registering an offering registration trigger in the Discovery Service Framework also includes a step of registering policies intended to govern the lifetime of the offering registration trigger” at paragraphs [0060], [0047], [0090],[0094] ,[0097] and [0102] .

As to claim 11, Blakley teaches, the method of claim 9 wherein “the step of registering an attribute offering in the Discovery Service Framework also includes a step of registering policies intended to govern the lifetime of the attribute offering” see at abstract, paragraphs [0020], [0053] and [0170].

As to claim 12, Blakley teaches, the method of claim 9 wherein “the offering registration trigger is withdrawn upon processing corresponding policies governing its lifetime” at paragraphs [0084], [0044], [0020], [0053] and [0170].

As to claim 14, Blakley teaches, the method of claim 9 wherein just the attribute offering, and not the offering registration trigger, is withdrawn upon processing corresponding policies governing its lifetime” at paragraphs [0084], [0044], [0020], [0053] and [0170].

As to claim 16, blakley teaches, a system for sharing user's attributes among service providers in a network the system comprising:

- “a Discovery Service Framework suitable for holding an attribute offering”, see at “abstract” and paragraphs [0050], and [0086]; and
- an Attribute Provider, wherein the attribute offering is registered from the Attribute Provider and the Discovery Service Framework stores data extracted from the attribute offering making it public and accessible for service providers wanting to share such user's attribute (at paragraphs [0047], [0068], [0077], [0080] and [0086] (since the authentication is same as registering attributes), the Discovery Service Framework comprising:
 - “a first input unit for processing an attribute offering received from an Attribute Provider” at paragraphs [0035], [0041], [0069], [0136] and [0149];

(Blakley teaches, “received as input in requests, in

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creating their responses. Thus, while clients always consume assertions, SAML authorities can be both producers and consumers of assertions” at paragraph [0069], thus it described that the input unit processes an attribute that is being requested by the attribute provider.)

- “a storage for storing contents obtainable from the attribute offering” at paragraph [0038], [0081], [0097] and [0104];

(Blakley teaches, “attribute storage locations and then retrieve the user's attribute information when necessary” at paragraph [0081], thus a storage is maintained to store the contents which is offered from the attribute.)

- “a second input unit for processing a request received from an Attribute Requestor for the attribute offering” at paragraphs [0035], [0069], [0136] and [0149];

(Blakley teaches, “received as input in requests, in creating their responses. Thus, while clients always consume assertions, SAML authorities can be both producers and consumers of assertions” at paragraph [0069], thus the multiple input unit processes the attribute requests.)

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- “a first output unit for providing the attribute offering to the Attribute Requestor” at paragraphs [0041] and [0140].

(Blakley teaches, “input/output adapter 128, which supports various I/O devices” at paragraph [0041] and “the attribute information provider constructs and returns a response message to an e-commerce service provider “at paragraph [0139] and “the attribute information provider may return various status codes that indicate a range of success in obtaining the requested attributes” at paragraph [0140], since an output unit provides information according to the attribute request.)

- a third input unit for processing an offering registration trigger received from the Attribute Provider” at paragraphs [0035],[0041], [0069], [0136], [0140] and [0149];

(Blakley teaches, “received as input in requests, in creating their responses. Thus, while clients always consume assertions, SAML authorities can be both producers and consumers of assertions” at paragraph [0069], thus the multiple input unit processes the attribute requests.)

- “a trigger handler for storing contents obtainable from the offering registration trigger and for determining trigger conditions to request a registration of the

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attribute offering at paragraphs [0076], [0099], [0139], [0140] and [0142].

(Blakley teaches, "generate a response message that returns only some of the attributes that have been requested by an e-commerce service provider" at paragraph [0142], "a positive response message is generated at step 820 only if the attribute information provider has all of the requested attributes and only if the attribute information provider can release all of the requested attributes" at paragraph [0139])

- a second output unit for requesting the registration of the attribute offering to the Attribute Provider. at paragraphs [0041], [0035],[0041], [0069], [0136], [0140] and [0149];

(Blakley teaches, "input/output adapter 128, which supports various I/O devices" at paragraph [0041] and "received as input in requests, in creating their responses. Thus, while clients always consume assertions, SAML authorities can be both producers and consumers of assertions" at paragraph [0069], thus the multiple output unit processes the attribute requests.)

- "an Attribute Requestor, the Attribute Provider and the Attribute Requestor being Service Providers enabled for hosting and sharing a user's attribute", see at

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“abstract” and Paragraphs [0077] and [0087];

As to claim 17, Blakley teaches, system of claim 16 wherein “the trigger handler determines the trigger conditions upon reception in the second input unit of the request for the attribute offering from the Attribute Requestor” at paragraphs [0076], [0099], [0139] and [0142].

As to claim 18, Blakley teaches, the system of claim 16 wherein “the trigger handler is usable for processing policies received in the third input unit and intended to govern the lifetime of the offering registration trigger” at paragraphs [0060], [0047], [0090], [0094], [0097] and [0102].

As to claim 19, Blakley teaches, “system of claim 18 wherein the trigger handler is usable to withdraw an offering registration trigger upon processing corresponding policies governing its lifetime” at paragraphs [0084], [0044], [0020], [0053] and [0170].

.

As to claim 21, Blakley teaches, system of claim 16 wherein “the trigger handler is usable for processing policies received in the first input unit and intended to govern the lifetime of the attribute offering” at paragraphs [0035], [0041], [0069], [0136], [0149], [0060], [0047], [0090], [0094], [0097] and [0102].

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As to claim 22, Blakley teaches, the system of claim 21 wherein the trigger handler is usable to withdraw an attribute offering upon processing corresponding policies governing its lifetime” at paragraphs [0084], [0044], [0020], [0053] and [0170]..

As to claim 24, Blakley teaches, “an Attribute Provider hosting a user’s attribute for a user and for sharing the attribute with Attribute Requestors, the user’s attribute being published in a Discovery Service Framework suitable for holding attribute offerings from Attribute Providers and for providing the attribute offerings to Attribute Requestors, the Attribute Provider comprising:

- “a first output unit for accessing the Discovery Service Framework to register an attribute offering” at paragraph [0041],

(Blakley teaches, “input/output adapter 128, which supports various I/O devices” at paragraph [0041], thus the multiple output unit processes the attribute requests.)

- “a first input unit for processing a request received from an Attribute Requestor for the attribute offering” at paragraphs [0035], [0069], [0136] and [0149];

(Blakley teaches, “received as input in requests, in creating their responses. Thus, while clients always consume assertions, SAML authorities can be both producers and consumers of assertions” at paragraph [0069], thus the multiple input unit processes the attribute requests.)

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- a second output unit for providing the attribute offering to the Attribute Requestor” at paragraph [0041],

(Blakley teaches, “input/output adapter 128, which supports various I/O devices” at paragraph [0041], thus the multiple output unit processes the attribute requests.)

- a third output unit for accessing the Discovery Service Framework to register an offering registration trigger at paragraph [0041], [0047],[0068], [0075], [0080] and [0086];

(“the authentication is successful, an active session is established for the authenticated user or client” at Paragraph [0047], “framework for exchanging security information” at Paragraph[0068], “output system” at paragraph [0041], “output system” at paragraph [0041])

- and “a second input unit for processing a request received from the Discovery Service Framework for registration of an attribute offering” at paragraphs [0041], [0047], [0068], [0075], [0080] and [0086];

(“the authentication is successful, an active session is established for the authenticated user or client” at Paragraph [0047], “framework for exchanging security information” at Paragraph[0068], “input/output adapter 128, which supports various I/O devices” at paragraph [0041],

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thus the multiple output unit processes the attribute requests)

As to claim 25, blakley teaches, the Attribute Provider of claim 24 wherein “the third output unit is used for accessing the Discovery Service Framework to register policies intended to govern the lifetime of the offering registration trigger” at paragraphs [0035],[0041], [0069], [0136], [0149], [0060], [0047], [0090], [0094], [0097] and [0102]

As to claim 26, blakley teaches, the Attribute Provider of claim 24 wherein the first output unit is used for accessing the Discovery Service Framework to register policies intended to govern the lifetime of the attribute offering” at paragraphs [0035], [0041], [0069], [0136], [0149], [0060], [0047], [0090],[0094], [0097], [0157] and [0102]

As to claim 27, blakley teaches , the Attribute Provider of claim 24 further comprising: a fourth output unit for requesting a user's consent to share a user's attribute; and a third input unit for obtaining the user's consent to share a user's attribute” at Paragraphs [0058], [0103], [0174], [0107], [0157] and [0153].

As to claim 30, blakley teaches , the Attribute Provider of claim 24 wherein the third output unit is used to register in the Discovery Service Framework a same offering registration trigger for all those users for which the Attribute Provider hosts users' attributes” at paragraphs [0046], [0047], [0048] and [0075].

As to claim 31, blakley teaches , The Attribute Provider of claim 24 wherein “the third output unit is used to register in the Discovery Service Framework a different offering registration trigger for each user having a user's attribute hosted in the Attribute Provider” at paragraphs [0034], [0034], [0041], [0046], [0048], [0051] and [0049], .

As to claim 32, Blakley teaches, the Attribute Provider of claim 24 wherein “the third and first output units are used to register the offering registration trigger along with an actual attribute offering” at paragraphs [0034],[0034], [0041], [0046], [0048], [0051], [0158] and [0049], .

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. **Claims 7, 8, 13, 15, 20, 23, 28 and 29** are rejected under 35 U.S.C. 103(a) as being unpatentable over Blakley et al. (U.S. Publication No. 2004/0128378 A1) as applied to **claims 1, 9 16 and 24** above, and further in view of Underwood (US Patent No. 6,633,878 B1), here in referred to as Underwood.

Regarding claim 7, which is depends on claims 1, **Blakley** discloses the claims invention as “A method of handling user's attributes sharing between a plurality

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of Service Providers, a Service Provider being regarded as an Attribute Provider hosting at least one user's attribute for a user and offering such attribute for sharing with other Service Providers regarded as Attribute Requestors, an attribute offering being published in a Discovery Service Framework suitable for holding attribute offerings from at least one Attribute Provider and for providing any of such attribute offerings to at least one Attribute Requestor, the method comprising the steps of: the Attribute Provider registering an offering registration trigger in the Discovery Service Framework intended to request, if needed, the registration of the attribute offering; the Attribute Provider receiving from the Discovery Service Framework a request for registration of the attribute offering; the Attribute Provider registering an attribute offering in the Discovery Service Framework; and the Attribute Provider providing the attribute upon request from an Attribute Requestor", see at "abstract", paragraph [0087], [0069], [0090], [0093], [0021], [0035], [0090], [0099] and [0099]; :

Blakley does not appear to explicitly disclose for "the attribute offering, and not the offering registration trigger, is withdrawn once the user signs off".

However, Underwood teaches, "the attribute offering, and not the offering registration trigger, is withdrawn once the user signs off" at col.76, lines 55-61, col.77, lines 33-65, and col.312 , lines 22-33 .

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(Underwood teaches, "sign-off serves as a final quality checkpoint that the work on the change request meets the business needs of the change requester," at col.77, lines 44-47, therefore, it is clearly said that the sign-off withdraws the triggering event and attribute offering.)

Blakley and Underwood are analogous art because they are from the same field of endeavor of data processing system and e-commerce database framework..

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Blakley** and Underwood before him or her, to modify the attribute offering, and not the offering registration trigger, is withdrawn once the user signs off

The suggestion/motivation for doing so would have been to be a sign-off checkbox is checked or unchecked, the current user's ID and the current date may be captured by the Change Tracking tool at col. 77, lines 33-65.

Therefore, it would have been obvious to combine **Blakley** with Underwood to obtain the invention as specified in the instant claim.

Regarding claims 8, which is depends on claims 1, **Blakley** discloses the claim invention as "A method of handling user's attributes sharing between a plurality of Service Providers, a Service Provider being regarded as an Attribute Provider hosting at least one user's attribute for a user and offering such attribute for sharing with other

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Service Providers regarded as Attribute Requestors, an attribute offering being published in a Discovery Service Framework suitable for holding attribute offerings from at least one Attribute Provider and for providing any of such attribute offerings to at least one Attribute Requestor, the method comprising the steps of: the Attribute Provider registering an offering registration trigger in the Discovery Service Framework intended to request, if needed, the registration of the attribute offering; the Attribute Provider receiving from the Discovery Service Framework a request for registration of the attribute offering; the Attribute Provider registering an attribute offering in the Discovery Service Framework; and the Attribute Provider providing the attribute upon request from an Attribute Requestor”, see at “abstract”, and paragraphs [0087], [0069], [0090], [0093], [0021], [0035], [0090], [0099] and [0099];

Blakley does not appear to explicitly disclose for “the offering registration trigger is withdrawn once the user signs off”.

However, Underwood teaches, “the offering registration trigger is withdrawn once the user signs off” at col.76, lines 55-61, col.77, lines 33-65, col.312 , lines 22-33 .

(Underwood teaches, “sign-off serves as a final quality checkpoint that the work on the change request meets the business needs of the change requester,” at col.77, lines 44-47,

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therefore, it is clearly said to that sign-off withdraws the triggering event.)

Blakley and **Underwood** are analogous art because they are from the same field of endeavor of data processing system and e-commerce database framework..

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Blakley** and Underwood before him or her; to modify the offering registration trigger is withdrawn once the user signs off.

The suggestion/motivation for doing so would have been to be a sign-off checkbox is checked or unchecked, the current user's ID and the current date may be captured by the Change Tracking tool at col. 77, lines 33-65.

Therefore, it would have been obvious to combine **Blakley** with Underwood to obtain the invention as specified in the instant claim.

Regarding claim 13, which is depends on claim 9, **Blakley** discloses the claim invention as "A method of publishing through a Discovery Service Framework an attribute offering for sharing a user's attribute between a plurality of Service Providers, a Service Provider being regarded as an Attribute Provider hosting the user's attribute for which the attribute offering may be published, the Discovery Service Framework suitable for holding attribute offerings from at least one Attribute Provider, the method comprising the steps of: registering an offering registration trigger in the Discovery

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Service Framework upon request from the Attribute Provider; the Discovery Service Framework processing the offering registration trigger upon request for an attribute offering received from an Attribute Requestor; requesting the registration of the attribute offering to the Attribute Provider as a result of processing the offering registration trigger; registering in the Discovery Service Framework an attribute offering upon request from an Attribute Provider; and the Discovery Service Framework providing the attribute offering upon request from a Service Provider acting as an Attribute Requestor for the attribute offering, Paragraph [0087], [0069], [0090], [0093], [0021], [0035], [0090], [0099] and [0099]; :

Blakley does not appear to explicitly disclose for “the offering registration trigger is withdrawn upon request from the Attribute Provider where the user signs off”.

However, Underwood teaches, “the offering registration trigger is withdrawn upon request from the Attribute Provider where the user signs off” at col.76, lines 55-61, col.77, lines 33-65, col.312 , lines 22-33 .

(Underwood teaches, “sign-off serves as a final quality checkpoint that the work on the change request meets the business needs of the change requester,” at col.77, lines 44-47, therefore, it is clearly said to change requestor for sign- off when the triggering event occurs..)

Blakley and Underwood are analogous art because they are from the same field of endeavor of data processing system and e-commerce database framework..

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Blakley** and Underwood before him or her, to modify the offering registration trigger is withdrawn once the user signs off.

The suggestion/motivation for doing so would have been to be a sign-off checkbox is checked or unchecked, the current user's ID and the current date may be captured by the Change Tracking tool at col. 77, lines 33-65.

Therefore, it would have been obvious to combine **Blakley** with Underwood to obtain the invention as specified in the instant claim.

Note that claims 20, 23, 28 and 29 recite the same corresponding limitations as set forth in claims 7 and 13 above, thus the claims are rejected accordingly.

Regarding claim 15, which is depends on claim 9, **Blakley** discloses the claim invention as “A method of publishing through a Discovery Service Framework an attribute offering for sharing a user's attribute between a plurality of Service Providers, a Service Provider being regarded as an Attribute Provider hosting the user's attribute for which the attribute offering may be published, the Discovery Service Framework suitable for holding attribute offerings from at least one Attribute Provider, the method

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comprising the steps of: registering an offering registration trigger in the Discovery Service Framework upon request from the Attribute Provider; the Discovery Service Framework processing the offering registration trigger upon request for an attribute offering received from an Attribute Requestor; requesting the registration of the attribute offering to the Attribute Provider as a result of processing the offering registration trigger; registering in the Discovery Service Framework an attribute offering upon request from an Attribute Provider; and the Discovery Service Framework providing the attribute offering upon request from a Service Provider acting as an Attribute Requestor for the attribute offering, Paragraph [0087], [0069], [0090], [0093], [0021], [0035], [0090] and [0099] and [0099]; :

Blakley does not appear to explicitly disclose for “the attribute offering, and not the offering registration trigger, is withdrawn upon request from the Attribute Provider where the user signs off.”⁸

However, Underwood teaches, “the attribute offering, and not the offering registration trigger, is withdrawn upon request from the Attribute Provider where the user signs off.” at col.76, lines 55-61, col.77, lines 33-65, col.312 , lines 22-33.

(Underwood teaches, “sign-off serves as a final quality checkpoint that the work on the change request meets the business needs of the change requester,” at col.77, lines 44-47,

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therefore, it is clearly said to change requestor for sign-off when the triggering event occurs..)

Blakley and Underwood are analogous art because they are from the same field of endeavor of data processing system and e-commerce database framework..

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Blakley** and Underwood before him or her; to modify the offering registration trigger is withdrawn once the user signs off.

The suggestion/motivation for doing so would have been to be a sign-off checkbox is checked or unchecked, the current user's ID and the current date may be captured by the Change Tracking tool at col. 77, lines 33-65.

Therefore, it would have been obvious to combine **Blakley** with Underwood to obtain the invention as specified in the instant claim.

Response to Arguments

Claims 1- 6, 9-12, 14, 16-22, 24-27 and 30-32

9. Applicant's arguments filed November 11, 2008 have been fully considered but they are not persuasive. The examiner respectfully traverses applicants' argument.

Claim Rejections - 35 U.S.C. § 101

Regarding 35 USC § 101, Applicant's response does not overcome the rejections. **Claims 16-32** are rejected under 35 USC 101 because the claimed invention is directed to non-statutory subject matter. The "output unit" of the attribute provider does not provide enough information of the hardware. The claims lack the necessary physical articles or objects to constitute a machine or a manufacture within the meaning of 35 USC 101.

Claim Rejections - 35 U.S.C. § 102 (b)

Claims 1- 6, 9-12, 14, 16-22, 24-27 and 30-32 are rejected under 35 U.S.C. 102 (b) as being anticipated by Blakley, III et al. (U.S. Publication No. 2004/0128378).

Regarding claim 1, applicant's argument stated, "The Applicant respectfully submits that DSF is not found or taught in Blakley and though the term "framework" is found in Blakley, the thrust of the term framework is different from that of the Applicant's use of the word Framework. Blakley teaches framework, in the common sense, as in a 'structure'. In contrast the Applicant is disclosing a term of art 'Discovery Service Framework' which is used for receiving, storing and dispensing data extracted from a user's attribute offerings (paragraph [0076])" and "The Blakley reference is lacking at least the trigger and DSF elements of claim 1." On the contrary Blakley teaches, "the authentication is successful, an active session is established for the authenticated user or client" at Paragraph [0047] and "framework for exchanging security information" at paragraph[0068] and "framework for exchanging security information" at paragraph [0068] and "the user (40) might have accessed another service provider(30) and, after

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having been authenticated in this another service provider, the user may invoke a service that, for its complete execution, needs a user's attribute that is hosted in an external Attribute provider (20). The another service provider (30) where the user has presently accessed, playing the role of an Attribute Requestor, requests (S-102) the location of the user's attribute to the DSF (10)" at paragraph [0077], thus in here, the Attribute Provider registration is equivalent to authentication of data which triggers the process for the requested attributes (See DSF at Para. [0077]) and "generate a response message that returns only some of the attributes that have been requested by an e-commerce service provider" at paragraph [0142], "a positive response message is generated at step 820 only if the attribute information provider has all of the requested attributes and only if the attribute information provider can release all of the requested attributes" at paragraph [0139], Also about "trigger", see Figs. 6 and 7 and Para. [0114].

Claim Rejections - 35 U.S.C. § 103 (a)

Claims 7, 8, 13, 15, 20, 23, 28 and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Blakley et al. (U.S. Publication No. 2004/0128378 A1) as applied to **claims 1, 9 16 and 24** above, and further in view of Underwood (US Patent No. 6,633,878 B1).

In light of the foregoing arguments the 35 U.S.C. § 101, 35 U.S.C. § 102 (b) and 35 U.S.C. § 103 (a) rejections are hereby sustained.

Conclusion

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Mevisen (US Patent No. 7174230) discloses an object-oriented discovery framework.

Arackaparambil (US Publication No. 2004/0128383) discloses a computer integrated manufacturing techniques.

Zhu et al. (US Publication No. 2008/0112395) discloses a method for voice service based on service trigger, and method and system for routing control of voice service based on service trigger.

Contact Information

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mohammad N. Rahman whose telephone number is 571-270-1631. The examiner can normally be reached on 7:30am - 5:00 pm, Mon - Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mofiz Apu M can be reached on 572-272-4080. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

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/M. Rahman/
Examiner, AU 2161
Date: 01/09/2009

/Apu M Mofiz/

Supervisory Patent Examiner, Art Unit 2161